

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 11/22/2021 08:58 AM
Cytometer Baseline: 06/17/2021 10:50 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125244	0	1.18	125139	1.16
Blue	F	SSC	125000	124850	-1	2.27	125190	2.12
Blue	E	FITC	13131	12793	-3	2.22	294	15.83
Blue	D	PE	24112	23837	-2	1.66	548	10.84
Blue	B	PerCP-Cy5-5	31295	30475	-3	3.07	1008	14.72
Blue	A	PE-Cy7	19939	19901	-1	5.32	529	30.05
Red	C	APC	42122	41232	-3	3.07	1726	11.46
Red	A	APC-Cy7	22340	21530	-4	3.41	804	11.96
Violet	B	V450	7410	6996	-6	3.39	424	12.38
Violet	A	V500	28118	26806	-5	2.90	669	9.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23265	1.32	571	2	N/A	N/A	Pass
Blue	F	SSC	58224	1.07	523	11	N/A	N/A	Pass
Blue	E	FITC	54	54.62	489	2	0.0391	89	Pass
Blue	D	PE	115	36.61	492	4	0.3872	279	Pass
Blue	B	PerCP-Cy5-5	187	37.35	588	2	0.0196	114	Pass
Blue	A	PE-Cy7	105	70.12	632	4	0.0207	1	Pass
Red	C	APC	400	24.03	580	4	0.0277	180	Pass
Red	A	APC-Cy7	179	28.24	554	3	0.0060	1043	Pass
Violet	B	V450	59	62.82	460	7	0.0629	2278	Pass
Violet	A	V500	97	32.43	472	7	0.0258	596	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.65	-31.44	1.01
Blue	20.34	16.28 - 24.42	1.27	1.02 - 1.52	0.00	0.00	1.43
Red	14.83	13.60 - 20.40	N/A	N/A	29.84	30.10	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9685

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments